

S E C R E T

APPENDIX B

FREE WORLD TRADE IN RUBBER DURING 1951

Tables of 1951 exports and imports of all types of rubber (natural, synthetic, and reclaimed) are shown in the attached tables by country and area of the Free World.

These figures must not necessarily be considered as complete nor do they represent net trade since statistics are not available in sufficient detail to enable the derivation of such figures within the time limits of this report.

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S E C R E T

APPENDIX B - FOREIGN TRADE OF NATURAL, SYNTHETIC, AND RECLAIMED RUBBER IN THE WORLD DURING 1967. (in long tons)<sup>a/</sup>

Country	IMPORTS				EXPORTS			
	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total
<b>NORTH AMERICA</b>	<b>796,005</b>	<b>12,145</b>	<b>13,318</b>	<b>821,468</b>	<b>4,431</b>	<b>8,522</b>	<b>14,744</b>	<b>27,697</b>
Canada	48,000	1,652	11,698	61,350	N.A.	N.A.	N.A.	N.A.
Cuba	2,080	293	353	2,726	-	-	-	-
Mexico	13,000	115	500	13,615	1,619	-	-	1,619
United States	732,925	10,085	767	743,777	2,812	8,522	14,744	26,078
<b>SOUTH AMERICA</b>	<b>37,625</b>	<b>226</b>	<b>2,565</b>	<b>40,416</b>	<b>2,391</b>	<b>-</b>	<b>-</b>	<b>2,391</b>
Argentina	23,500	39	1,900	24,439	-	-	-	-
Bolivia	-	-	6	6	1,213	-	-	1,213
Brazil	8,836	131	63	9,030	471	-	-	471
Chile	2,000	12	14	2,026	-	-	-	-
Colombia	190	16	129	335	-	-	-	-
Costa Rica	17	-	-	17	8	-	-	8
Ecuador	-	-	-	-	363	-	-	363
Nicaragua	-	-	-	-	170	-	-	170
Panama	-	-	-	-	66	-	-	66
Peru	609	3	9	621	-	-	-	-
Uruguay	2,300	21	114	2,435	-	-	-	-
Venezuela	173	4	330	507	-	-	-	-
<b>FAR EAST and SOUTH PACIFIC</b>	<b>679,450</b>	<b>654</b>	<b>1,626</b>	<b>681,730</b>	<b>2,303,007</b>	<b>-</b>	<b>-</b>	<b>2,303,007</b>
Australia	56,294	196	434	56,924	-	-	-	-
British Borneo	-	-	-	-	21,000	-	-	21,000
Burma	-	-	-	-	14,500	-	-	14,500
Ceylon	None	None	None	None	103,633	None	-	103,633
Formosa	691	-	-	691	-	-	-	-
India	6,885	-	585	7,470	130	-	-	130
Indochina	-	-	-	-	52,302	-	-	52,302
Indonesia*	-	-	-	-	793,660	-	-	793,660

\* Including Java, Sumatra, Borneo, and East Indonesia.

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Country	IMPORTS				EXPORTS			
	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total
Japan	60,448	443	N.A.	60,891	-	-	-	-
Malaya	547,106	-	-	547,106	1,155,267 <sup>h/</sup>	-	-	1,155,267
New Zealand	8,000	15	585	8,600	-	-	-	-
Oceania	-	-	-	-	2,709	-	-	2,709
Other Asia	-	-	-	-	2,300	-	-	2,300
Philippines	26	-	22	48	1,000	-	-	1,000
Sarawak	-	-	-	-	42,531	-	-	42,531
Thailand	-	-	-	-	113,975	-	-	113,975
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EUROPE includ- ing ENGLAND	786,187	28,89	3,660	818,742	109,941	141.5	12,539	122,621
Austria	8,857	80	141	9,807	-	-	-	-
Belgium-Luxembourg	21,424	1,200	417	23,041	2,572	-	737	3,309
Denmark	6,543	10	280	6,923	N.A.	-	-	-
Finland	7,362	15	70	7,487	-	-	-	-
France	130,042	10,05	51	133,947	N.A.	N.A.	N.A.	N.A.
Germany, West	90,221	6,522	705	97,448	7	141.5	7,190	7,338
Greece	675	9	127	831	-	-	-	-
Israel	307	N.A.	N.A.	307	-	-	-	-
Italy	52,008	4,315	87	56,410	N.A.	N.A.	N.A.	N.A.
Lebanon-Syria	26	-	254	280	-	-	-	-
Netherlands	64,011	176	205	64,392	46,000 <sup>g/</sup>	-	215	46,215
Norway	5,206	210	-	5,416	-	-	-	-
Pakistan	1,200	7	-	1,207	-	-	-	-
Portugal	2,736	26	4/	2,762	-	-	-	-
Spain	7,319	20	-	7,329	-	-	-	-
Sweden	16,981	251	856	18,089	-	-	-	-
Switzerland	7,741	301	295	8,337	1,000 <sup>g/</sup>	-	8/	1,000
Turkey	3,500	-	-	3,500	-	-	-	-
United Kingdom	359,808	4,749	172	364,729	60,362	-	4,397	64,759
Yugoslavia	6,500	N.A.	N.A.	6,500	-	-	-	-

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Country	IMPORTS				EXPORTS			
	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total
<u>AFRICA</u>	<u>27,786</u>	<u>144</u>	<u>1,594</u>	<u>29,524</u>	<u>69,283</u>	-	<u>1</u>	<u>69,284</u>
Algeria	819	"	"	819	300	"	"	300
Belgian Congo	"	"	"	"	11,975	"	"	11,975
Egypt	714	"	13	727	"	"	"	"
French Morocco	365	42	77	484	"	"	1	1
French W. Africa	207	"	"	207	976	"	"	976
Gambia	"	"	"	"	34,799	"	"	34,799
Nigeria	"	"	"	"	233	"	"	21,233
South Africa	25,681	102	1,504	27,287	"	"	"	"
<b>GRAND TOTAL</b>	<b>2,327,053<sup>f</sup>/</b>	<b>42,064<sup>f</sup>/</b>	<b>22,763<sup>f</sup>/</b>	<b>2,391,880<sup>f</sup>/</b>	<b>2,488,953<sup>f</sup>/</b>	<b>8,663<sup>f</sup>/</b>	<b>27,284<sup>f</sup>/</b>	<b>2,524,900<sup>f</sup>/</b>

a. The following countries of the Free World have not been included in tables, because such information is not presently available.

North AmericaSouth AmericaFar East and South PacificEurope and UKAfrica

Dominican Republic  
El Salvador  
Guatemala  
Haiti  
Honduras  
Puerto Rico

Afghanistan  
Iran  
Iraq

Ethiopia  
Nepal

b. Includes rubber imported from other producing areas.

c. Presumably re-exports.

d. Waste rubber amounting to around 3,000 tons estimated imported in 1951.

e. Including some reclaimed rubber.

f. Figures for imports and exports are incomplete. Far East data was obtained mainly from Rubber Statistical Bulletin; other data derived from various reports. Net exports from producing areas are reported at 1,827,000 and new supply of rubber to consuming areas at 1,827,000, according to Rubber Statistical Bulletin, June 1952. Figures above represent actual foreign trade by countries, including re-exports, where available.

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APPENDIX C

RUBBER FABRICATING PLANTS OF FREE WORLD AREA AS OF 1951

The major rubber fabricating plants of the countries of the Free World are included in the following pages. So far as is known, all tire manufacturing plants are listed. No attempt has been made to make a list of every plant fabricating rubber goods, since such a list would be too long. However, it is believed that major plants of sufficient size and order are shown to indicate the general magnitude of the rubber industry of each of the countries of the Free World.

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APPENDIX C.

FABRICATION OF RUBBER END ITEMS IN THE  
COUNTRIES OF THE FREE WORLD DURING 1951.

A. NORTH AMERICA

<u>LOCATION</u>	<u>NAME OF COMPANY</u>	<u>TIRES</u>	<u>% OF TOTAL</u>	<u>MECH. RUBBER GOODS</u>	<u>FOOT WEAR</u>	<u>DRUG SUNDRIES</u>
<u>CANADA</u>						
Acton Vale	Acton Rubber Ltd.				X	
Batawa	Bata Shoe Co. of Canada Ltd.				X	
Bowmanville - New Toronto and Quebec	Goodyear Tire & Rubber Co. of Canada Ltd.	X		X		
Brantford	Canadian Durex Abrasives Ltd.			X		
Drummondville	Holtite Rubber Co. of Canada Ltd.				X	
Farnham	American Wringer Co. of Canada St. Lawrence Rubber Co. Ltd.			X X		
Fort Erie	Pierce & Stevens Canada Ltd.			X		
Galt	Canadian General-Tower, Ltd.			X		
Granby	Minor Rubber Co. Ltd.			X	X	
Hamilton	Dowswell, Lees & Co. Ltd. Firestone Tire & Rubber Co. of Canada Ltd.	X		X		
Kitchener	B.F. Goodrich Rubber Co. of Canada Ltd. Kaufman Rubber Co. Ltd.	X		X X	X X	
Lachine	British Rubber Co. of Canada Ltd.	X		X	X	
Montreal and St. Jerome	Dominion Rubber Co. Ltd.	X				
Montreal	M. Bloomfield & Sons Ltd. Allied Rubber, Inc. Joseph Robb & Co. Ltd.			X X X		
Moose Jaw	Hodgson Rubber Co.			X		
New Toronto	Goodyear Tire & Rubber Co. of Canada Ltd.	2,000,000		X		
Oakville	Barringham Rubber & Plastics			X		
Ottawa	Reanite Corp. Eastview			X		
Peterboro	Canadian Raybestos Co. Ltd.			X		
Port Coquitlam	Huntington Rubber Mills of Canada Ltd.			X		
St. Lambert	Asbestones Corporation Ltd.			X		
Stratford	G. L. Griffith & Sons Ltd.			X		

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>CANADA (Cont'd)</u>						
St Marys	Maxwell, Ltd.			x		
St. Remis	Cambridge Rubber Ltd. Paraplastics Ltd.			x	x	
Sherbrooke	Bemis Associates of Canada Ltd. Panther Rubber Co. Ltd.			x x	x	
Toronto	Bilrite Tire Co. Ltd. Canadian Rubber Products Co. Ltd. Dayton Rubber Co. Canada. Dunlop Tire & Rubber Goods Co. Ltd. x Gutta Percha & Rubber Ltd. Seiberling Rubber Co. of Canada Ltd.			x x x x x x x	x	
Vancouver	Hayes Rubber Products Ltd. A.C. Rubber Mfg. Co. Ltd.			x x	x	
Windsor	Canadian Collord Products Ltd.			x		
TOTAL TIRES FOR COMPANIES LISTED			5,000,000	100%		
PERCENT OF FREE WORLD TOTAL					3.5%	

CUBA

Havana	Cia Cubana de Caucho Denman Rubber Co. Cia Goodrich Cubana A. Hernandez	65,861	68%	x	x	x
Matanzas	Cia Industrial de Goma			x	x	
Loma de Tierra	U. S. Rubber Company			x	x	
Rancho Boyeros	Productos Fibraeuero Soledad				x	
San Jose	Goodyear Tire & Rubber Co. of Cuba	44,352	32%			
Actual Total - All Companies Listed		110,213	100%			
PERCENT OF FREE WORLD TOTAL			.1%			

MEXICO

Guadalajara	Artefactos de Hule de Guadalajara La Estrella, S.R.L. Peletera Occidental, SA Productos Latez, SA			x x x	x	x x
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APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>MEXICO</u> (Cont'd)						
Leon, Gto	Hulera del Bajio			x	x	x
Mexico City	Carlos Garica Lapuente				x	
	Cia para la Regeneracion del Hule			x	x	
	Distribuidora Elmon, S.R.L.			x		
	El Rayo, SA			x	x	
	Enrique Shor Pienaker			x		
	Fabrica de Tapas Memo					x
	Hule y Latex SA			x		
	Hule y Plasticos Rayo, SA			x	x	
	Hulera "El Faro" SA, El Centenario			x	x	
	Hulera El Planar, S.R.L.			x	x	
	Hulera El Pope (General)	150,000	22%			
	Hulera Euzkadi, SA (Goodrich)	235,000	33%	x	x	
	Hulera Goodyear OKO SA	240,000	34%	x	x	
	Hulera Industrial Mexicana SA			x	x	x
	Hules Industriales, S.R.L.	Cycle		x	x	x
	Hulio Nasta			x		
	Manufacturas de Hule "El Mundo" SA			x	x	
	Luciano Ruiz				x	
	Reconstructora Llantera, SA			x	x	
	Tennis Eterno, S.R.L.			x	x	
	U.S. Rubber Mexicana, SA	75,000	11%			
	Vulcanizadora Electrica			x		
Naucalpan	Cia Hulera Avco, SA				x	
Puebla	Jose A. Ruiz "Los Angeles"			x	x	
Actual Total - All Companies Listed		700,000	100%			
PERCENT OF FREE WORLD TOTAL			.5%			

UNITED STATES

CALIFORNIA

Los Angeles	Kirkhill Rubber Co.			x		
Oakland	Oliver Tire & Rubber Co.	Camelback				

COLORADO

Denver	Gates Rubber Co.	x		x		x
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CONNECTICUT

New Haven	Seamless Rubber Co.					x
West Haven	Armstrong Tire & Rubber Co.	x				

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SECRET



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APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
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UNITED STATES (Cont'd)ILLINOIS

Chicago	Dryden Rubber Company	x		x		x
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INDIANA

Elkhart	Elkhart Rubber Works			x		
Lafayette	Brown Rubber Company					

MASSACHUSETTES

Boston	Boston W. Hose & Rubber Co.			x		
Watertown	Hood Rubber Company				x	

MICHIGAN

Detroit	U.S. Rubber Company	x		x	x	x
	Minnesota Mining & Mfg. Co.			x		
Pontiac	Baldwin			x		
St. Joseph	Industrial Rubber Goods			x		

NEW JERSEY

Garfield	Accurate Mfg. Co.			x		
Passaic	Manhattan Rubber Co.			x		
Trenton	Hamilton Rubber Co.			x		x

NEW YORK

Buffalo	Dunlop Rubber Company	x		x		x
	Hewitt Robbins Inc.			x		
New York	U.S. Rubber Company	x		x	x	

OHIO

Akron	Firestone Industrial Products Co.	x		x		
	General Tire & Rubber Co.	x				
	B.F. Goodrich	x		x		x
	Goodyear Tire & Rubber Co.	x		x		
Ashland	Faultless Rubber Co.			x		
	Firestone Tire & Rubber Co.	x		x	x	
	Goodrich Tire & Rubber Co.	x		x	x	x
	Goodyear Tire & Rubber Co.	x		x	x	
Barberton	Seiberling Tire & Rubber Co.	x			x	
	Sun Rubber Company				x	x
Coshocton	Lee Tire & Rubber Co.	x				
Chardon	Chardon Rubber Co.			x		

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APPENDIX C, (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>OHIO (Cont'd)</u>						
Dayton	Dayton Rubber Co.	x		x		x
Garrettsville	Folson Rubber Co.	x				
Painesville	Ohio Rubber Company			x	x	x
Warren	Denman Rubber Mfg. Co.	x				
Youngstown	Lee Rubber & Tire Corp. Republic Rubber Div.			x		
<u>PENNSYLVANIA</u>						
Erie	Continental Rubber Co.			x		
<u>RHODE ISLAND</u>						
Providence	Goodyear Footwear Corp.				x	
<u>VIRGINIA</u>						
East Butler	Castle Rubber Co.			x		
<u>WISCONSIN</u>						
La Crosse	La Crosse Rubber Mills Co.				x	
Actual Total - All Companies Listed		92,170,616	100.			
PERCENT OF FREE WORLD TOTAL			64.6%			

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GRAND TOTAL 97,980,829

PERCENT OF FREE WORLD 68.7%

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FABRICATION OF RUBBER END ITEMS IN THE  
COUNTRIES OF THE FREE WORLD DURING 1951.

B. SOUTH AMERICA

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>ARGENTINA</u>						
Avellaneda	Gutierrez del Valle, J.	cycle				
Bell Ville	Ind Arg de Cubiertas y Cuadros Superhall	cycle		x		
Buenos Aires	Abineme, Felipe			x		
	Acre S I y Cia			x		
	Altillio, Victor A.			x		
	Angelini & Curzi			x		
	Bake Prince			x		
	Ballester & Co.			x		
	Belfort Argentina			x		
	Bernabo & Co. S.A.I.C.			x		
	Bornao			x		
	Camilo Ray & Co.			x		
	Canara y Cia					
	Caucho de Argentina Manuf.			x		
	Cesia					
	Ciadeca			x	x	
	Ciro, Jose A.			x		
	Colaulti Co. Mfg. de Caucho			x		
	Compania Platense de Neumaticos S.A.I.C. (Coplan)-(US Rubber and Pirelli).*	40,000 **		x		
	Cortego S.R.L.					
	David Caltes & Cia			x		
	Elaboradora del Caucho			x		
	Elli, Americo					
	Fabrica Argentina de Alpargatos				x	
	Fabrica Argentino de Tejidos En- gmada (FATE) S.R.L.	70,000	8%	x		
	Fab. Arg. del Caucho				x	
	Fabrimport S.R.L.				x	
	F A D A C			x		
	Falabella J & A			x	x	
	F A M I (EX BORMOS)			x		
	F A T A			x		
	Finger, Rouede & Co.					x
	Firestone de la Argentina SA	380,000	40%	x		
	Fode S.R.L.			x		
	P. Garzoni y Cia					
	Gomatex				x	
	Gori, Gino I.	cycle		x		
	India Rubber Co.			x		
	Ingratta and Cia			x	x	
	Industrias Llave (Adot)	cycle			x	
	Industrias Pirelli SA	cycle		x		
	J. Dacela Domingo y Hnos			x		
	Jose Juarroz			x		
	Kummel & Ferrin			x		
	La Hispano Americana Manuf. de Caucho Masak			x		
	Michelin SA Argentina de Neumaticos	90,000	10%			
	Novarolit, S.R.L.					x

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
Buenos Aires (Cont'd)						
	Olive & Co., Enrique			X		
	Pittaluga and Co.			X	X	
	Plastica Bernabo			X		X
	Rego					
	Rego Tex.					
	Rios, Domingo G.			X		
	Robles and Cia			X		
	Rodrigues Andia y Cia			X		
	Tensil S.R.L.			X		
	Todo gama					
	Villa Aufrecht & Co.					X
Cordoba	Rigamonti, Pedro			X		
	Segovia, Angel					X
Hurlingham	Gismondi Hnos & Calfa S.R.L.			X		
	Neumaticos Goodyear SA*	360,000	38%	X	X	
Munro	Zapater Diaz & Co.	cycle		X	X	
Murguiondo	Alzagomina S.R.L.					
Rosario	T E M A S.R.L.					X
	Levit, Luis M.			X		
	Libert & Co.			X		
Salvigny	Keten, Sergio H.			X	X	
San Martin	Cantex S.R.L.			X		
	Fabril del Caucho Corp.			X		
Santo Fe	Principi Hnos y Feresi	cycle				
Tablada	Mira, Dino			X		
V Ballester	Di Giacomo R.			X		
Actual Total - All Companies Listed		940,000	100%			
* Goodyear manufacturers for Dunlop, Kelly, and India. Pirelli manufacturers for U.S. and Atlas, and Pirelli.						
** 1952 estimated capacity 150,000. Firestone manufacturers for U.S. and Atlas.						
PERCENT OF FREE WORLD TOTAL				.66%		

BOLIVIA

La Paz	Fabrica Nacional de Gomas Beni	Camelback			X
Magona	Manufacturas de Goma Nacional Magona				X
Manaco	Manufacura Nacional de Calzados				X
Actual Total - All Companies Listed		0			
PERCENT OF FREE WORLD TOTAL				0%	

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LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<b>BRAZIL</b>						
Cacapava	Cacapava, Fabrica de Tecidas e Artefatos de Barracha				X	
P. Alegria	D. Vander Halen			X	X	
Rio de Janeiro	Cia Brasileira de Artefatos de Borracha (Itens. Brul)	175,000	12%			
	M. Carrione				X	
	Fabrik Phenix Productos Quimicas				X	
	Fab Solar				X	
	N. Hamer and Cia				X	
	A. Lemgruber and Cia			X		
	C. Pereira and Cia				X	
	Productos Latex y Cia			X		
	Ribeiro Sanches			X		
	Somil Soc. Mecanica para Industria e Lonoma				X	
San Leopoldo	Maba			X	X	
Santo Andres	Industrial de Pneumaticos Firestone SA	465,000	32%	X		
Santa Cruz	Gieseck and Cia				X	
San Paulo	Arc., Ltd.				X	
	Art Bur Iros				X	
	Auto Borracha				X	
	C. Bastos and Cia				X	
	Campana and Cia			X	X	
	Cesar and Bana				X	
	Comfortovel				X	
	Eureka SA				X	
	Fab Fatima				X	
	Fabrica Gernade, Ltd.			X	X	
	Fabricas Orion SA	cycle		X		
	Fab Triangulo				X	
	Goodyear de Brazil*	570,000	40%	X***	X	
	Ind Manfredi			X		
	Irmãos Pedersol				X	
	Luncke, Carlos			X		
	J. Martinez and Cia (Mfg de Borracha Amazonas)				X	
	Nogem SA, Mfg de Artigas de Borracha			X		
	Page, Mfg de Artigas de Borracha e Plasticos			X		
	Paraense				X	
	J. Ruiz and Cia				X	
	Saed y Cia				X	
	Superba SA				X	
	United Shoe				X	
	Pirelli**	245,000	16%	X		
Actual Total - All Companies Listed		1,500,000	100%			
				*Goodyear manufacturers for Dunlop and Kelly.		
				**Pirelli manufacturers for Atlas and U.S.		
				***Goodyear manufacturers for Dunlop.		
PERCENT OF FREE WORLD TOTAL			1.05%			

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LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>CHILE</u>						
Quilpue	Industrias de la Goma			x	x	x
Santiago	Catecu Ltda (Bata)				x	
	De Vicente Hnos				x	
	Industria Nacional de Neumaticos, SA (INSA)	130,000	100%	x		
	Revia y Prado	Camelback		x		
	Cia Manufactura de Caucho					
	Lolas			x		
	Mfg. Chilenas de Caucho Ltd.	Bicycle		x	x	
	Radillo y Legarreta				x	
	Rodriguez Kornfeld y Cia			x		
Valparaiso/ Quilpue	Chiappe y Cia			x		
Actual Total - All Companies Listed		130,000	100%			
PERCENT OF FREE WORLD TOTAL			.09%			

COLOMBIA

Bogota	Industria Colombiana de Llantas	130,000	78%			
	(Icollantas)(Goodrich)					
	Villegasde Hnos Ltd.			x		
	Tab de Productus de Caucho Jof			x		
Bucaramanga	Cia Ind de Carlos Reger			x		
Cali	Croyden del Pacific (U.S.)			x	x	
	Goodyear Colombia SA	43,000	22%		x	
Medellin	Atlantico			x		
	Cia de Productos de Caucho Grulla			x	x	
	El Sol			x	x	
	Job, Fabrica de Productus de Caucho			x		
	La Colosal			x	x	
	Mologa			x		
	Resist			x		
Actual Total - All Companies Listed		173,000	100%			
PERCENT OF FREE WORLD TOTAL			.12%			

DOMINICAN  
REPUBLIC

Ciudad Trujillo	Celso Perez C Por A					x
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

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S E C R E T

S E C R E T

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>GUATEMALA</u>						
	Manuel Maria Herrea				x	
	Compania Guatemaltica Hevea				x	
	Compania Guatemaltica Incaticu				x	
	Alfredo Mendez Zebadua y Cia			x		
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

HONDURAS

	Juan S. Canahuati y Cia (Iteca Products)				x	
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

PERU

Callao	Fabrica de Calazado "El Peruana"					
	SA (Bata)	Camelback		x	x	
	Productos Leo, SA			x		
	Ronald & Co. SA	Camelback			x	
Lima	Cia Goodyear del Peru*	108,000	100%	x	x	x
	Mfg. de Jebe, SA			x	x	
	Productos Ausaco, SA			x	x	
* Manufacturers for Dunlop.						
Actual Total - All Companies Listed		108,000	100%			
PERCENT OF FREE WORLD TOTAL			.07%			

URUGUAY

Montevideo	Elaboradora Rioplatense del Caucho y Afines			x		x
	Fabrica Uruguay de Neumaticas (FUNSA)	87,939		x	x	
	Radesca y Cia			x		
	Ricardo Moro Regun			x		
Actual Total - All Companies Listed		87,939	100%			
PERCENT OF FREE WORLD TOTAL			.07%			

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S E C R E T

S E C R E T

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	IRUG SUNDRIES
<u>VENEZUELA</u>						
Caracas	Anonima Nacional Mfg de Caucho y Neumaticas (General)	126,173**	100%			
	Hernandez Diaz y Cia				x	
	Royal Venezolano (US)*			x	x	
	Tyresolol de Venezuela Cia				x	
Valencia	Firestone Tire & Rubber Co.*					x
* Not yet in production; to have capacity of some 150,000 passenger and truck tires.						
** 1952 production expected to be from 150,000 to 300,000 tires.						
Actual Total - All Companies Listed		126,173	100%			
PERCENT OF FREE WORLD TOTAL				.08%		

GRAND TOTAL

Tires produced .....3,065,112

Percent of Free World Total ..... 2.1%

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S E C R E T



S E C R E T

APPENDIX C.FABRICATION OF RUBBER END ITEMS IN THE  
COUNTRIES OF THE FREE WORLD DURING 1951.C. FAR EAST and SOUTH PACIFIC

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>AUSTRALIA</u>						
Adelaide	South Australian Rubber Mills			x		
Brisbane	North Australian Rubber Mills			x		
Brisbane/ Melbourne	Olympic T & R Co.	600,000	25%	x		
Granville/ Sydney	Advanx T & R Co., Pty. Ltd. Hardie Rubber Co.	160,000	6%			
Manly	Sinden T & R Co.			x	x	
Melbourne	Kenworth Rubber Co.			x		
Moonee Ponds/ Victoria	Ormiston Rubber Co. Pty.			x		
Richmond/ Melbourne	Ansell Rubber Co. Pty. Ltd.			x	x	
Richmond/ Victoria	Leggett Products Pty.			x		
Sydney	Merco Tire & Rubber Co.			x		
Sydney/ Granville	Goodyear T & R Co., Ltd. (Australia)	790,000	35%	x	x	
Sydney/ Melbourne	Dunlop Rubber Ltd. (Australia)	750,000	34%	x	x	
Victoria	Goldings Pty. Ltd.			x	x	
West Footscray/ Victoria	Hopkins, Odlum Pty. Ltd			x		
Actual Total - All Companies Listed		2,300,000	100%			
PERCENT OF FREE WORLD TOTAL			1.6%			
<u>BURMA</u>						
Rangoon	Burma Rubber Works				x	
	Burma Tire Works	Retread				
	National Rubber Works			x	x	
	Star Rubber Mfg. Co.					
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

S E C R E T

SECRET

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>INDIA</u>						
Batanagar/ Calcutta	Bata Shoe Co. (Batanagar)				x	
Bombay	Cosmos Rubber Co.			x		
	Firestone T & R Co.**	372,000	32%			
	Jai Hind Rubber Products	Camelback		x		
Calcutta	Calcutta Rubber Mfg. Co.	solid		x	x	
	East India Rubber Works			x		
	Kohinoor Rubber Works			x	x	
	India Rubber Goods Mfg. Co.	bicycle		x	x	
	National Rubber Mfg.			x		
	Olympia Rubber Works			x	x	
	United Rubber Works			x	x	
	Bhowanagar Rubber Mfg. Co.			x		
Goimbatore/ Madras	Wanco Rubber Co.				x	
Delhi	Randerian Rubber & Chemicals	solid		x	x	
Kaupier	Cooper Allen (Goodyear Tire & Rubber Co.)*				x	
	National Tannery				x	
Kottayam	National T & R Co.			x		
Liluah, Horwah	R.D.S. Jaine Rubber Mills, Ltd.	bicycle		x		
New Delhi	B.N. Rubber Works			x		
Sahanganj	Dunlop Rubber Co.* of India Ltd.	520,000	68%	x		
Trevandrum	Trevancore Rubber Works*** (Goodrich)	bicycle		x		
<p>* Dunlop manufactures approximately 153,000 tires for Goodyear and 120,000 tires for India Tire &amp; Rubber Co., and has a capacity of 630,000 tires per annum.</p> <p>** Firestone reportedly has a capacity for 450,000 to 600,000 tires per year.</p> <p>*** Proposed tire factory with annual capacity of 150,000 auto tires.</p>						
Actual Total -- All Companies Listed		392,000				
PERCENT OF FREE WORLD TOTAL			.6%			

INDOCHINA

Haiphang	Chenal			x		
Saigan	Fab. Indochine de Courtchuc	solid and bicycle				
	Labbe	(tires, inner tubes)		x		
	Liandiat	" " " "				
	Michelin Oberi Lofarl	Tires				
Unknown	Bata				x	
Actual Total -- All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

SECRET

S E C R E T

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>INDONESIA</u>						
Bandung	N.V. Fateru Java Rubber Industries			x x		
Bogor	Goodyear Tire & Rubber Co.	232,363			x	
Cheribon	N.V. Miri					
Djakarta	Bata Bata Shoe Co. Hok Thay Hin Java Rubber Factory National Rubber Co. Rubberfabriek Sioe & Co.	x  cycle tubes cycle tires and tubes cycle cycle tubes		x	x	
Medan	Sumatra Rubber Works	cycle tires and tubes				
Semarang	Rubber Factory Orie					
Surabaya	Rubberfabriek Ngagel			x		
Tjirebon	Netherlands Indies Rubber Industry			x		
Padang	Rubberfab. Ge Oean The					
Actual Total - All Companies Listed		232,363	100%			
PERCENT OF FREE WORLD TOTAL				.16%		

JAPAN

Hokkaido	Mitsumma Gomu KK			x	x	
Kobe & Nankai	Bando Chotai Gomu KK			x		
Kobe, Shikoku	Mitsubishi Chotai KK			x		
Kobe/ Kyushu and Fukuoka	Dunlop Rubber Co.	300,000	26%	x	x	
Kurume and Yokohama	Bridgestone Tire KK (Goodyear)	400,000	22%	x		
Kurume and Kumamoto	Nikka Gomu KK Taisei	bicycle 5,000			x	
Osaka	Ohtsu Gomu KK Kakuichi Gomu KK	80,000 bicycle tires	3%	x		
Osaka/Ibaragi and Sakai	Toyo Gomu KK	110,000	9%	x	x	
Osaka, Nighi- nom 'va- Tokuyama	Sekaicho Gomu KK				x x	
Osaka & Tahoku	Fukusue Tabi KK				x	

S E C R E T

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>JAPAN</u> (Cont'd)						
Sendai	Mitsuma Koshin Gomu KK			x	x	
Senju & Ogu	Showa Gomu KK	bicycle		x		
Staru	Towa Gomu KK			x	x	
Tamakawa	Nitto Gomu KK	70,000	3%			
Tamano	Uno Koei Rubber Mfg. Co.			x		
Tokyo & Urawa	Fujikura Gomu KK	10,000 (bicycle)			x	
Tsurum/Yokohama- Mishima & Fuji- sawa	Yokohama Gomu KK <sup>2</sup>	375,000	31%	x		
Yokkaichi, Matsuzaka	Tokai Gomu KK			x		
Actual Total - All Companies Listed		1,350,000	100%			
PERCENT OF FREE WORLD TOTAL			.95%			

MALAYA and  
SINGAPORE

Klang	Bata Shoe Factory Ng Tiong Kiat	Camelback bicycle tires			x	
	Wilkinson Process			x		
Kuala Lumpur	Selangor Rubber Works	Camelback				
	Chit Huat	"				
	Chip Bee Rubber Works (Foch Sun)					
Ipoh	Hock Hin	"				
Selenya, Kuala- Lumpur	Fung Keong Rubber Mfg.			x	x	
Singapore	Asia Rubber Works	bicycle tires				x
	Gressonite Industries, Ltd.			x		
	Iam Choon Rubber Goods Mfg. Co.	Camelback		x		
	Wagup Rubber Works					
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

S E C R E T

SECRET

APPENDIX C, (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	WEAR	DRUG SUNDRIES
<u>NEW ZEALAND</u>						
Auckland	Isid Rubber Co. Ltd.	150,000	29%	x		
Christchurch	Empire Rubber Mills			x		
	Firestone & Co. Ltd.	200,000	33%			
	Marathon Rubber Footwear, Ltd.				x	
Upper Hutt and Christchurch	Dunlop Rubber Goods Co. Ltd.	150,000	38%	x		
Wellington	Bramall, Ltd.	Camelback				
	Dunlop Rubber Goods Co. Ltd.	cycle		x		
	Paretex, Ltd.			x		
Actual Total - All Companies Listed		500,000	100%			
PERCENT OF FREE WORLD TOTAL			4%			

PHILIPPINES

Cebu	Victory Rubber Mfg.				x	
	Vulkan Rubber Corp.				x	
Manila	El Porvenir Rubber Products Inc.**			x	x	
	Jacinto Rubber & Plastics Co. Inc.			x	x	
	Mabuhay Rubber Corporation			x	x	
	Marcelo Rubber & Latex Products Inc.*					
	New Olympian Rubber Prod. Co.					
	Rizal Rubber Enterprises			x	x	x

\* Production of tires not expected until second half of 1952, and is expected to reach a capacity of about 500 tires per day in 4 or 5 months (150,000 p.a.).

\*\* Machinery installed. They claim production of first tire November 1951. No further report.

Actual Total - All Companies Listed		0	
PERCENT OF FREE WORLD TOTAL		0%	

TAIWAN

Anping	Combined Service Forces				x	
Taipeh	Chien Tai Rubber Works	bicycle				
Taiwan	Taiwan Industrial and Mining Corp.			x	x	
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL		0%				

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## APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>THAILAND</u>						
Bangkok	Dolly Rubber Mfg. Co.	Camelback and bicycle tubes		x	x	
	J. J. Ho Ltd.			x		
	Pangkook Tire Co.					
	Far East Rubber Co.					
	Ngai Heng Co.	recap				
	Thense Wat Rubber Works					
	Tai Thong Rubber Works					
Head Ya, S. Thailand	Fook Heng Works					
	Thai Rubber Co.	bicycle tires, retread			x	x
	Thaijum Rubber				x	
Prokanong/ Bangkok	United Rubber Pl.				x	
	Praneet Ind.	bicycle tires			x	x
Rang Muang Rd.	Seng Thai Rubber Factory					
Selom Rd/ Bangkok	Kieng Min Factory				x	
Thanhuri	Good Luck Mfg. Co.			x	x	
	Singapore Rubber Works	recap				
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			
<hr/>						
GRAND TOTAL		5,274,363				
PERCENT OF FREE WORLD			3.7%			
<hr/>						

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SECRET

S E C R E T

APPENDIX C.

FABRICATION OF RUBBER END ITEMS IN THE  
COUNTRIES OF THE FREE WORLD DURING 1951.

D. EUROPE including ENGLAND

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>AUSTRIA</u>						
Gumpaldis- kirchen	Richard Klinger			x		
Vienna	Felten & Guillaume			x		
	Perfecta Weiner			x		
	Semperit	400,600		x		
	Viborain A.G.			x		
Vorarlberg	Alemania Gummawarfabrik Muller					
Actual Total -- All Companies Listed		400,600	100%			
PERCENT OF FREE WORLD TOTAL			.3%			

BELGIUM and LUXEMBOURG

Alost	Sacic			x		
Gand	Colonial Rubber			x		
Ghent	Bergougnan			x		
	Lechat Couiroies			x		
	Mt. St. Amand			x		
Lanaken	Carideng			x		
Lembecq	Gheysen			x		
Liege	Englebert et Co. Scenatzky	500,000		x		
Luxembourg -- Colmar-Berg	Goodyear SA	125,000				
Tournai	Colman			x		
Vervier	Houben Dejans Simac			x		x
Zuen	Michellin SA	200,000				
Actual Total -- All Companies Listed		825,000	100%			
PERCENT OF FREE WORLD TOTAL			.6%			

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S E C R E T

APPENDIX C, (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>DENMARK</u>						
Copenhagen	Codan	bicycle		x	x	x
	Colatex					x
	Dansk Gummi Industri Soborg				x	x
	Dansk Latex Industri					x
	Latexa			x		
	Nordisko Kobel og Traad- fabriker				x	
	Nordisk Gummi & Guttaperka			x		x
	Plastica Fabrikin			x		
	Schoening & Arve	bicycle				x
Helsingør	Tretorn	Camelback			x	
Berler	Berler Gummifabrik			x		
Horsens	Jylland	bicycle				x
Køge	Dansl Galochs og Gummi- fabrik				x	
Odense	Roulunds Fabriker			x		
	Skandinavisk Gummif ik					x
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

FINLAND

Drumso/ Helsingfors	Oy Vulcan AB			x		
Helsingfors	Savio			x	x	
Nokia	Suomen Gummitehdas Oy	99,809	100%			
Tammerfors	Tammer Tehtaat Oy			x		
Actual Total - All Companies Listed		99,809	100%			
PERCENT OF FREE WORLD TOTAL			.06%			

FRANCE

Billancourt	Renault	500,000				
Clairox-Margny- les Compigne	Englebert	80,000				
Clermont- Ferrand	Michelin	5,000,000				
Colombes	Bergougnan	300,000				
	Kleber Colombes	1,000,000				



APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>FRANCE (Cont'd)</u>						
Langlee- Montargis	Hutchinson	12,000				
Montlucon	Dunlop	2,200,000				
Orleans	Michelin	Production just started				
Actual Total -- All Companies Listed		9,092,000	100%			
PERCENT OF FREE WORLD TOTAL			6.3%			

GERMANY--WEST

Aachen	Engelbert Gummiwerke					
Fulda	Gummiwerke Fulda					
Hanau	Dunlop Compagnia A.G.	1,500,000				
Hannover	Continental Gummi- werke A.G.	3,600,000				
Harburg	Harburger Gummi Waren- Fabrik Phoenix	600,000				
Hochstim/ Oldenburg	Veith Gummiwerke	360,000				
Karlsruhe	Michelin Gummiwerke					
Munich	Metzeler Gummiwerke					
Actual Total -- All Companies Listed		5,346,100	100%			
PERCENT OF FREE WORLD TOTAL			3.8%			

GREECE

Athens	Avro Inc.			x		
	Ebea Rubber Co.			x	x	
	Elviola			x	x	
	Ethel			x	x	x
	Florex Co.			x		x
	Karthea			x	x	x
	Tevika			x	x	
	Vulcania	cycle tubes		x	x	x
Chalkis	Eba M. Asmoniadis			x		
Piraeus	Indiana Rubber Co.	cycle tires		x	x	
Salonika	Alyssida				x	
	Even				x	
	Herakles			x		
	Macviel				x	
	Tek			x	x	
Actual Total -- All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

S E C R E T

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>IRAN</u>						
Tehran	Sepuh Vahramian				x	
	Emil Elward & Co.				x	
	Mehrabian & Co.				x	
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

IRELAND

Cork	Irish Dunlop Co.	245,000				
Actual Total - All Companies Listed		245,000				
PERCENT OF FREE WORLD TOTAL			.17%			

ISRAEL

Haifa Bay	Hamegaper, Ltd.	Camelback		x	x	
Jaffast, Haifa	Frank Levi			x		
Hadera	Alliance Tire & Rubber Co. (Dayton Rubber Co.)*					
Petah-Tikva	General Tire & Rubber Co.*					
* Under construction. Production planned for 1952.						
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

ITALY

Milan	Pirelli-Sesto San Giovanni			x		
Rome	Pirelli-Tivoli	2,100,000		x	x	
Torino	Michelin Italiana	450,000				
Turin	CEAT - Gossini	90,000				
Actual Total - All Companies Listed		2,640,000	100%			
PERCENT OF FREE WORLD TOTAL			1.7%			

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S E C R E T

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUGS SUNDRIES
<u>NETHERLANDS</u>						
Best	Schoenen Lederfabrik Bata			x		
Enschede	N.V. Ned-Am. Autobandenfabriek Vredestein (Goodrich)	255,000	62%			
Harderwijk	N.V. Rubberfabrieken R Inglaezener					x
Hertog- glubosch	Michelin SA	200,000	38%			
Loosduinen	Balata			x		
	Bakker			x		
	Hevea			x		x
	Meerens			x		
	Vredestein			x		x
M. stricht	N.V. Bataafsche Rubberindustrie			x		x
Actual Total -	Companies Listed	455,000	100%			
PERCENT OF FREE WORLD TOTAL			.3%			

NORWAY

Drammen	Refsungummifabrik				x	
Mjondalen	Mjondalen Gummivargfabrik			x	x	x
Oslo	Askim Gummivarefabrik	81,000	100%		x	
	Ben Norgaard Remfabrik			x		x
	National Gummifabrik			x		
	Viking Remfabrik			x		
Actual Total - All Companies Listed		81,000	100%			
PERCENT OF FREE WORLD TOTAL			.05%			

PAKISTAN

Karachi	Bata Shoe Company	cycle			x	
	Master Mfg. Co.	cycle tubes		x		x
	National Tire & Rubber Co.	cycle		x	x	
Lahore	Bata Shoe Co.	cycle			x	
	National Tire & Rubber Co.	cycle tires- and tubes		x		
	Sind Auto Eng. Co.	cycle tires		x		
Sialkot	Dominion Rubber Ind.			x		x
	National Rubber Ind.			x		x
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>PORTUGAL</u>						
Belga	Fabrica de Borracha Luso				x	
	Fabrica Cipeca			x		
	Fabrica Pirel			x		
	Leacock & Cia					x
	Repcincado & Bengala			x		
Lisbon	Fabrica de Condutores Electricos Diego do Avila					
Oporto/ Lousado	Mabor (Manufacture Nacional de Borracha)	180,000	100%			
S. Joao da Madeira	Empresa Industrial de Chapelana					
Actual Total - All Companies Listed		180,000	100%			
PERCENT OF FREE WORLD TOTAL				.15%		

SPAIN\*

Barcelona	J. Codina Villaonga					
Bilbao	Firestone Hispania	130,000		x	x	
	S.I.G.A.	bicycle		x	x	
La Sarte	Michelin	70,000		x		
Madrid	Hutchinson Ind.	bicycle and solid		x	x	
	Procedimientos FIT			x		
Premia de mar- Barcelona	Galindo	20,000			x	
Santander	Continental (General)	60,000		x		
Villamevay	Pirelli	80,000		x	x	

\* Capacity exceeds production figure by 350%.

Difference due to inability to obtain raw materials in 1951.

Actual Total - All Companies Listed		360,000	100%
PERCENT OF FREE WORLD TOTAL		.3%	

SWEDEN

Gislaved	Svenska Gummfabriks*	200,000		x	x
Halsingborg	Halsingborggummi- fabriks				x
Norrkoping	Goodyear*	370,000			x
Skelleftea	Skellefteagummfabrik			x	

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S E C R E T

APPENDIX C, (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>SWEDEN (Cont'd)</u>						
Sundbyberg	Sievertskabelverk			x		
Trelleborg	Trelleborg-gummifabriks*	300,000				
Sundbyberg	Nordiska Gumifabriks- AB Overman	solid		x		
Tronnings	Tronningsgummi-fabriks			x		
Ulsunda	Ulsundagummi-fabriks			x		
Vaernamo	Varnamogummi-fabrik	bicycle & motorcycle		x	x	
Viskafors- Svaneholm	Skandina Viskagummi- fabriks*	280,000		x	x	
<p>* Goodyear makes Goodyear, Kelly and Dunlop brand tires. Gislaved makes U.S. Rubber and Gislaved brand tires. Trelleborg makes Goodyear and Trelleborg brand tires. Viskafors makes only Firestone brand tires.</p>						
Actual Total- All Companies Listed		1,150,000	100%			
PERCENT OF FREE WORLD TOTAL				.9%		

SWITZERLAND

Altdorf	Draht & Kabelwerke	bicycle		x		x
Basel-Land	Maloja	bicycle				
Dipoldsau	Alpa Werke Mensi				x	
Florier	Societe Industriel de Caoutchouc	Reclaiming		x		
Geltgrinden	Maurer Co.	60,000				
Herisan	Sumer & Co.			x		
Pfafficon	R&A Huber (General) "Fallas"	90,000				
Pratteln	Fabrik fur Firestone Produkte	400,000				
Richterswill/ Zurich	Gummiwerke Richterswill			x		
Actual Total - All Companies Listed		550,000	100%			
PERCENT OF FREE WORLD TOTAL				.4%		

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## APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUPPLIES
<u>TURKEY</u>						
Ankora	Name unknown			x		
Eyup- Istanbul	Kausuk Sanayi Ve Ticaret tiras				x	
Istanbul	Darby Lastic Fabrikasi				x	
	Mihael Cikvasvili ve Ortaklari				x	
	Victory Lastic Fabrikasi				x	
	Kaucuk Iselkori Ltd.				x	
Sivas	Turkish Govt. P.			x		
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

UNITED KINGDOM

Birmingham	Dunlop Rubber Co.	4,800,000	40%	x		
Bradford-on- Avon	Spencer Moulton & Co.			x		
Burton	Pirelli Tyre Co.					
Edinburgh	North British Rubber Co.			x		
Frome	Wellington West Co.			x		
Glasgow	Northern Rubber Co.			x		
Gravesend	Henley Tire & Rubber Co.					
Halifax	Fleming, Birky & Goodall			x		
Inchman	India Tyre Co.	835,000	7%			
Leicester	John Bull Ltd.			x		
Leyland	British Tire & Rubber Co.			x		
	Leyland & Birmingham Rubber Co.			x		
London	Barrow, Hepburn & Gale			x		
	Bergouman Tyre Co.					
	Davis Tyre Co.					
	Firestone Tire & Rubber Co.-	1,552,000	13%			
	Geo. MacLellan & Co.			x		
	W. Warne & Co.			x		
Manchester	Greengate & Irwell			x		
	David Mosely			x		
	F. Reddaway & Co.			x		
Melksham	Avon India Rubber Co.			x		
Rochdale	Turner Bros. Ast. Co.			x		

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APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>UNITED KINGDOM</u> (Cont'd)						
Stirling	Rubber Co. of Scotland			x		
Stoke	Michelin Tyre Co.	1,433,000	12%			
Warrington	Castle Rubber Co.			x		
Wolverhampton	Goodyear Tire & Rubber Co.	1,567,000	13%	x		
Actual Total - All Companies Listed		13,002,686	100%			
PERCENT OF FREE WORLD TOTAL			9.1%			

YUGOSLAVIA

Barovo	Bata	35,000		x	x	x
Kranj	Sava	bicycle		x	x	x
Pirot	Tigar				x	x
Rakovica	Record			x	x	
Actual Total - All Companies Listed		125,000	100%			
PERCENT OF FREE WORLD TOTAL			.08%			

GRAND TOTAL 34,552,195

PERCENT OF FREE WORLD 24.2%

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APPENDIX C.FABRICATION OF RUBBER END ITEMS IN THE  
COUNTRIES OF THE FREE WORLD DURING 1951.E. AFRICA

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>ALGERIA</u>						
Algiers	SA VIG SICAMP - RONDA				X	
El-Biar	Ets. R.W. Acrizrat			X	X	
Hussein-Dey	S.A. Jacqueson Birjonacon			X		X
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

FRENCH W. AFRICA

Rufisque	Bata				X	
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

MOROCCO

French - Morocco	Societe Bata Jacqueson, Berjonn Dun & Cia Societe Africaine d'Industrie			X	X	
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

SOUTH AFRICA

Benoni, TVL.	British & Union Rubber Mfg Co. (BURMCO)			X	X	
Cape Town	Duroplastic Works (Pty) Ltd.			X		
Durban	Dunlop SA Ltd.** Natal Canvas Rubber Mfg. U.S. Rubber Co. Ltd.	475,000	32%	X	X	X
Howick, Natal	SA Rubber Mfg. Co. (SARMCO)			X	X	
Johannes- burg	Consolidated Rubber Industries Co. of South Africa, Ltd. Eureka Rubber Co. (Natal) Ltd. (solid)			X	X	

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## APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
Johannes-						
burg (Cont'd)	D.I. Fram & Co. (Pty) Ltd.			X		X
	National Plastics Corp.			X		
	Star Rubber Co.					X
	Tensile Rubber Co. (industrial)			X		
	Transvaal Rubber Co. (Pty) Ltd.			X		X
	Vulcan Rubber Co			X		X
	Vulco Chemicals			X		
Port						
Elizabeth	General Tire & Rubber Co.***	110,000	7%			
	Firestone T & R Co.	535,000	37%	X		
Pretoria	Asda Electric SA			X		
Roddepoort	R.K. Stocks Co.			X		
Uitenhage, C.P.	Goodyear T & R Co. (SA) Ltd.**	350,000	24%	X		
Vereeniging	African Cables, Ltd.			X		
	* Goodyear manufacturers for Kelly.					
	** Dunlop manufacturers for India.					
	*** General manufacturers for U.S.					
Actual Total - All Companies Listed		1,470,000	100%			
PERCENT OF FREE WORLD TOTAL			1.3%			

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GRAND TOTAL	1,470,000	
PERCENT OF FREE WORLD		1.3%

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GRAND TOTAL, FREE WORLD--	142,342,499	
PERCENT OF FREE WORLD		100%

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